



SEPARATION OF GENERATORS

Use this section to answer the following questions:

- ... Are the requirements found in Sec. 3104.19, *Separation of Generators*, applicable to a tent 400 sq. ft. or less ?
- ... Does a generator have to be separated a minimum of 20 ft. from a tent in excess of 400 sq. ft. ?
- ... Is Sec. 3104.17, *Flammable and Combustible Liquids*, applicable to a tent in excess of 400 sq. ft. ?

SEPARATION OF GENERATORS



**GENERATORS AND OTHER INTERNAL COMBUSTION
POWER SOURCES SHALL BE SEPARATED FROM TENTS
OR MEMBRANE STRUCTURES BY A MINIMUM OF 20 FEET
AND SHALL BE ISOLATED FROM CONTACT WITH THE
PUBLIC BY FENCING, ENCLOSURE OR OTHER APPROVED
MEANS.**

SEPARATION OF GENERATORS

“Scope” Tents

- THIS SCENARIO IS 2 “SCOPE” TENTS; EACH 400 SQ. FT. OR LESS
- WITH SOME SORT OF ELECTRICAL POWER NEED INSIDE THE TENTS
- DUE TO THE SIZE OF THESE TENTS AND THE ACTIVITY INSIDE THE TENTS
- THE *SCOPE* IS THE ONLY APPLICABLE CODE SECTION IN CH. 31



SEPARATION OF GENERATORS

“Scope” Tents

- THE 3 CODE SECTIONS AMENDED IN THE *SCOPE* ARE 3104.7, 3104.15.5 AND 3104.15.6
- THESE 3 CODE SECTIONS PERTAIN TO OPEN OR EXPOSED FLAME AND / OR COOKING
- SEPARATION OF GENERATORS HAS NOTHING TO DO WITH OPEN FLAME AND / OR COOKING, THEREFORE,
- DUE TO THE WAY THE *SCOPE* HAS BEEN WRITTEN, THESE TENTS DO **NOT** HAVE TO MEET ANYTHING IN CH. 31



SEPARATION OF GENERATORS

“Scope” Tents

- DUE TO THE *SCOPE*, THIS GAS – FUELED GENERATOR DOES NOT HAVE TO MEET SEC. 3104.19
- DUE TO THE *SCOPE*, THIS GAS – FUELED GENERATOR DOES NOT HAVE TO MEET SEC. 3104.17
- THIS SLIDE PERTAINS TO ALL GENERATORS AND OTHER INTERNAL COMBUSTION POWER SOURCES



MEMBRANE STRUCTURES

“Scope” Tents

- **SEC. 604.2.9, *MEMBRANE STRUCTURES*, WOULD NEVER BE APPLICABLE IN A “SCOPE” TENT BECAUSE EXIT SIGNS ARE NOT REQUIRED. DUE TO THE WAY THE *SCOPE* HAS BEEN WRITTEN, SEC. 3103.12.6 IS NOT ENFORCEABLE. THEREFORE, SEC. 3103.12.6.1, *EXIT SIGN ILLUMINATION*, WOULD NOT APPLY.**



SEPARATION OF GENERATORS

“Scope” Tents

- THIS SUBJECT IS ALSO DISCUSSED IN THE COMPOUND SCENARIO SECTION OF THESE SLIDES. THE SLIDES ARE TITLED “FLAMMABLE – LIQUID – FUELED GENERATOR” IN THAT PART OF THE PRESENTATION. THE FINAL ANSWER IS THE SAME REGARDLESS OF THE DISCUSSION OR HOW ONE APPROACHES THE PROBLEM.



SUMMARY: the following code sections govern this scenario

■ **Sec. 3101.1 – Scope**

THIS IS THE ONLY CODE SECTION THAT APPLIES IN CH. 31.

■ **Sec. 3104.17 – Flammable and combustible liquids**

Not applicable to this scenario.

■ **Sec. 3104.19 – Separation of generators**

Not applicable to this scenario.

■ **Sec. 604.2.9 – Membrane structures**

Not applicable to this scenario.

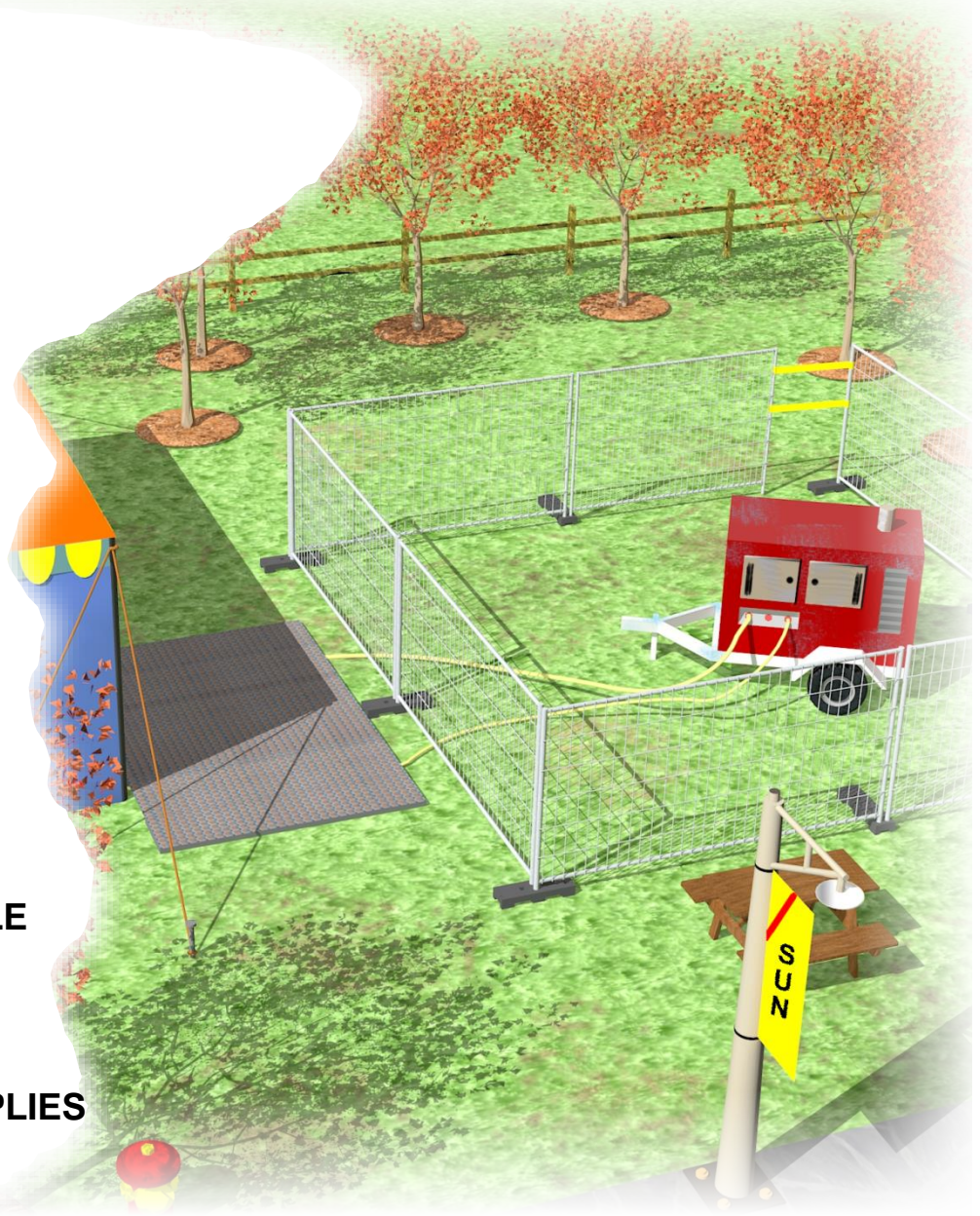


A GAS – FUELED GENERATOR
AND “SCOPE” TENTS

SEPARATION OF GENERATORS

“Regular” Tents

- THIS SCENARIO IS A “REGULAR” TENT; IN EXCESS OF 400 SQ. FT.
- WITH SOME SORT OF ELECTRICAL POWER NEED INSIDE THE TENT
- DUE TO THE SIZE OF THIS TENT, ALL OF CHAPTER 31 IS APPLICABLE
- THEREFORE, SECTION 3104.19, *SEPARATION OF GENERATORS*, APPLIES

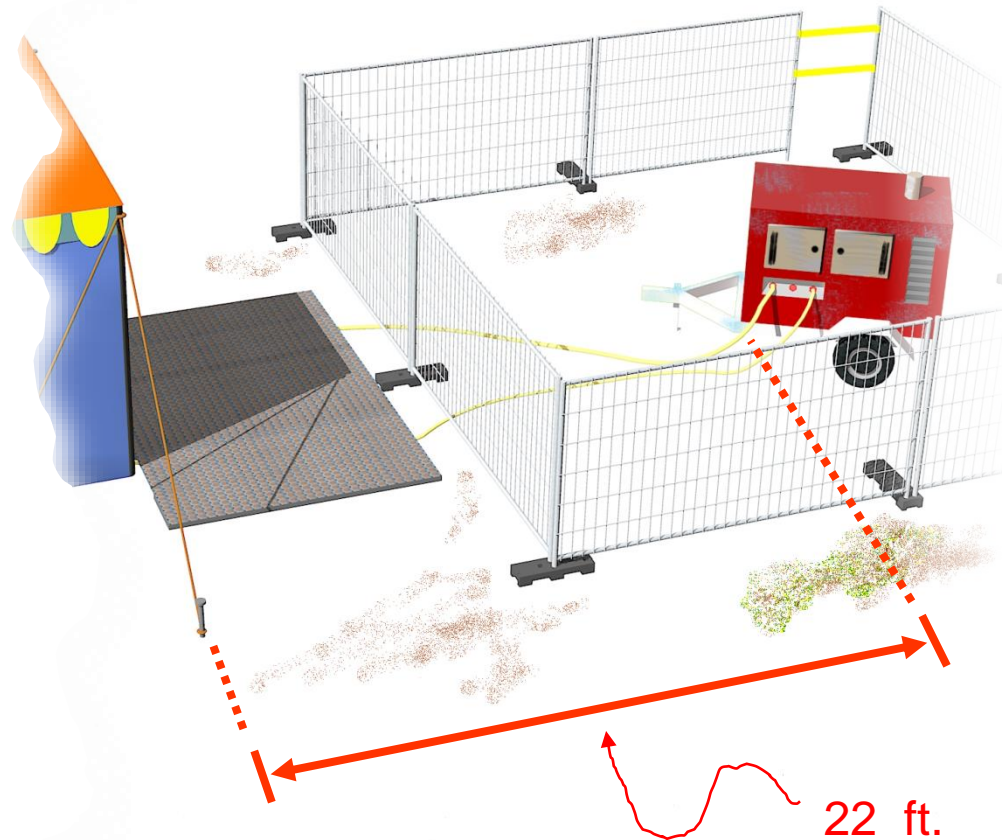


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SEPARATION OF GENERATORS

“Regular” Tents

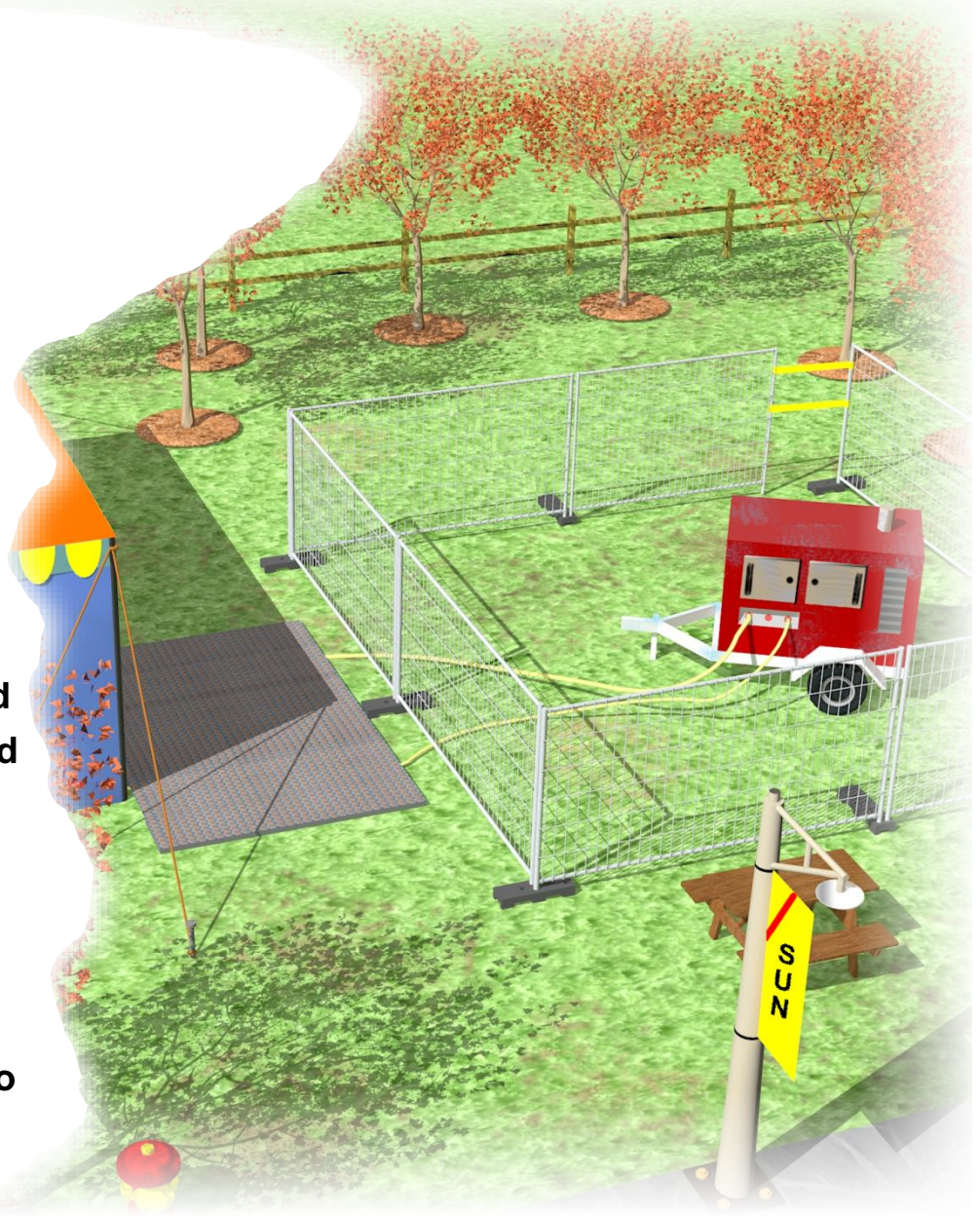
- THIS GENERATOR OR ANY OTHER INTERNAL COMB POWER SOURCE
- SHALL BE SEPARATED FROM THE TENT BY A MINIMUM OF 20 FEET
- AND SHALL BE ISOLATED FROM CONTACT WITH THE PUBLIC BY
- FENCING, ENCLOSURE OR OTHER APPROVED MEANS



EMERGENCY AND STANDBY POWER SYSTEMS

“Regular” Tents

- Finally, there is one last code section to study when discussing generators/emergency and standby power systems. Sec. 604.2.9 states, “Emergency power shall be provided for exit signs in temporary tents and membrane structures in accordance with Sec. 3103.12.6.1.” This section from Ch. 31 allows either internally or externally illuminated exit signs depending upon the situation. The text from Sec. 604.2.9 would apply to the externally illuminated exit signs.



SUMMARY: the following code sections govern this scenario

■ **Sec. 3101.1 – Scope**

■ **Sec. 3104.17 – Flammable and combustible liquids**

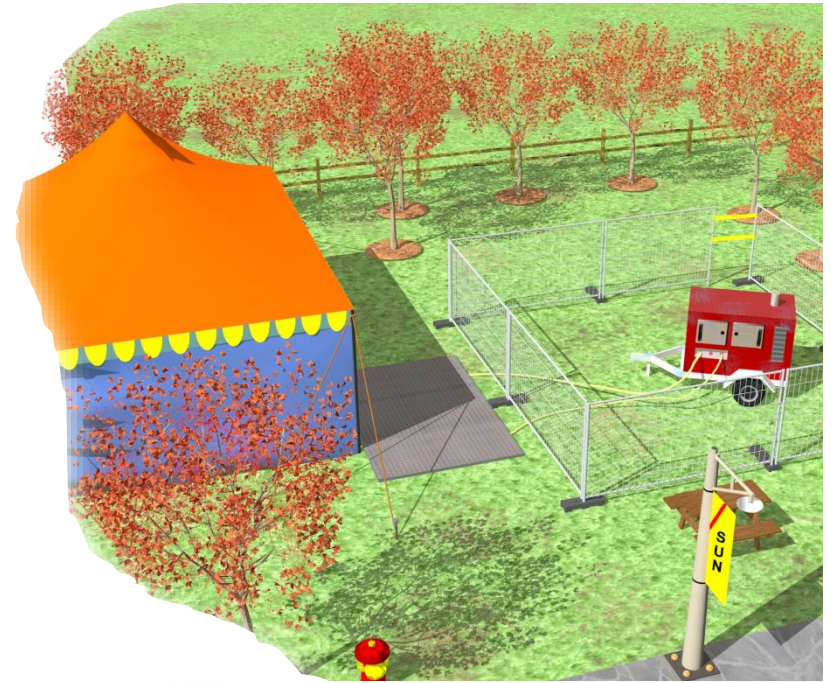
- Use
- Flammable and combustible liquid storage
- Refueling
- All applicable to this scenario.

■ **Sec. 3104.19 – Separation of generators**

- Applicable to this scenario.

■ **Sec. 604.2.9 – Membrane structures**

- Applicable to this scenario.



SEPARATION OF GENERATORS
AND A “REGULAR” TENT



Chapter 31, 2014 Ed. Indiana Fire Code

Tents And Other Membrane Structures

Presented by the State Fire Marshal's Office

Division of Fire and Building Safety